

MEDICAL DEVICES AND PROCESSES FOR PREPARING SAME

Abstract of the Disclosure

A medical device such as a catheter, stent or balloon, is formed by
5 depositing a radiation curable composition on a form made of ice or wax. The deposited
composition may be cured by irradiation, suitably with UV light. Complex structures
can be built up if the deposition or curing is achieved imagewise. Compositions which
photocure to polyester, polyamide or polyimide may be employed. A particular structure
is a balloon for a rapid exchange catheter which has a guide wire lumen passing through
10 the balloon cone walls.